

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: ULTRAFLUX™
Product Use: Ultra filtration membrane cleaner/ Metal parts cleaner
WHMIS Class: Class E - Corrosive Material
TDG Classification: Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide); Class 8; UN3266; PG II
Manufacturer/Supplier: Filter Innovations Inc.
Address: Toronto, Ontario, M2H 3B4
Telephone: 416-490-7848

Emergency Phone: 1-800-535-5053

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium hydroxide	1310-73-2	10 - 30	2 mg/m ³ Ceiling	Not available	140 mg/kg oral, rat
1-Hydroxyethylidene-1,1-diphosphonic acid	2809-21-4	1 - 5	Not available	Not available	1800 mg/kg oral, rat
1-Dodecanamine, N,N-dimethyl-,N-oxide	1643-20-5	1 - 5	Not available	Not available	2700 mg/kg oral, mouse
Burcotrope 1250	Mixture	1 - 5	Not available	Not available	Not available

SECTION III - PHYSICAL DATA

Boiling Point (°C): Not available
Vapour Pressure (mm Hg): Not available
Vapour Density (Air = 1): Not available
Solubility in Water: Not available
Physical State: Liquid
Appearance; Odour: Clear white; not available

Specific Gravity (H₂O = 1): 1.11 @ 25C
% Volatile (Wt %): Not available
Evaporation Rate (Ether = 1): Not available
pH (100%): 13.4
Viscosity: Not available
Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.
Flash Point (°C, TCC): None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of phosphorous, oxides of nitrogen.
Autoignition Temperature (°C): Not applicable
Means of Extinction: Dry chemical, alcohol foam, carbon dioxide, water mist or fog.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Acids, oxidizers.
Reactivity, and Under What Conditions: Not available.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of phosphorous, oxides of nitrogen when heated to decomposition.

ULTRAFLUX™

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SECTION VI - TOXICOLOGICAL PROPERTIES
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Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: Causes chemical burns. May cause blindness.

Skin: Causes chemical burns.

Inhalation: May cause respiratory tract irritation.

Ingestion: Harmful if swallowed. Causes chemical burns to mouth, throat and stomach.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Irritancy: Hazardous by WHMIS criteria.

Respiratory Tract Sensitization: No data available.

Carcinogenicity: Non-hazardous by WHMIS criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: No data available.

Synergistic Materials: Not available.

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SECTION VII- PREVENTATIVE MEASURES
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Gloves: Rubber gloves. Confirm with a reputable supplier first.

Eye Protection: Chemical splash goggles.

Respiratory Protection: Not normally required if good ventilation is maintained.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial, and local government requirements prior to disposal.

Storage and Handling Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials.

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SECTION VIII - FIRST AID
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Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.

Inhalation: Move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

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SECTION IX - PREPARATION INFORMATION
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Date: 2007/01/01
Telephone: 1-519-858-5021

MSDS Prepared by: Dell Tech Laboratories Ltd.

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).

2

ULTRAFLUX™



Corrosive material.

Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles.
Keep out of reach of children.

Eyes: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.

Inhalation: Move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

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READ MATERIAL SAFETY DATA SHEET BEFORE USING PRODUCT
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Matière corrosive.

Éviter le contact avec les yeux et la peau. Porter des gants en caoutchouc et des lunettes de protection à l'épreuve des éclaboussures de produits chimiques.
Garder hors de la portée des enfants.

Yeux: Rincer immédiatement à grande eau froide. Enlever les verres de contact, le cas échéant, et continuer à rincer pendant 15 minutes. Obtenir immédiatement de l'attention médicale.

Peau: Rincer immédiatement à grande eau froide pendant 15 minutes et en même temps retirer les vêtements et chaussures contaminés. Les jeter ou les laver bien avant de les réutiliser. Obtenir de l'attention médicale si l'irritation persiste.

Inhalation: Placer la victime à l'air frais. Si les symptômes persistent, obtenir de l'attention médicale.

Ingestion: Ne pas tenter de faire vomir. Rincer la bouche à grande eau, puis boire un ou deux verres d'eau. Obtenir de l'attention médicale. Ne jamais rien faire boire ou avaler à une victime inconsciente, en train de perdre rapidement connaissance ou si la victime a des convulsions.

LIRE LA FICHE SIGNALÉTIQUE AVANT D'UTILISER CE PRODUIT

Filter Innovations Inc.